INTERNATIONAL SEARCH REPORT A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F17/60 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G06F Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, IBM-TDB, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 2003/014293 A1 (SHETTY RAVINDRA K ET 1-21 AL) 16 January 2003 (2003-01-16) Abstract. figures 1-4,6 page 1, lefthand column, paragraph 3-4 page 3, lefthand column, paragraph 31 righthand column, paragraph 35 X EP 0 400 789 A (HEWLETT PACKARD CO) 1-21 5 December 1990 (1990-12-05) abstract page 3, line 48 - page 6, line 2 page 11, line 25 - page 16, line 33 figure 1 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the international filling date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 25/05/2004 13 May 2004

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Imputional Application No PCT/EP 03/10814

		PCT/EP 03/10814					
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.				
Х	US 5 444 632 A (KILGORE MICHAEL A ET AL) 22 August 1995 (1995-08-22) Abstract, figures 4-7 column 2, line 65 - column 3, line 27 claims 1-9		1-21				
X	US 4 744 028 A (KARMARKAR NARENDRA K) 10 May 1988 (1988-05-10) Abstract, column 4, line 17 - column 5, line 41 column 6, line 3 - line 43		1-21				
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INTERNATIONAL SEARCH REPORT

Information on patent family members

In titional Application No
PCT/EP 03/10814

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2003014293	A1	16-01-2003	NONE		
EP 0400789	A	05-12-1990	US DE DE EP JP JP NL	5077661 A 69031195 D1 69031195 T2 0400789 A2 2302872 A 2825611 B2 9001062 A	31-12-1991 11-09-1997 11-12-1997 05-12-1990 14-12-1990 18-11-1998 03-12-1990
US 5444632	А	22-08-1995	DE DE EP JP	69513877 D1 69513877 T2 0679972 A1 8083115 A	20-01-2000 18-05-2000 02-11-1995 26-03-1996
US 4744028	A	10-05-1988	AUURAH CONE DE SBUPPR NO SE ON	585334 B2 5588986 A 8606626 A 1253599 A1 675337 A5 86101057 A 3690221 T 613186 A 0248812 A1 8900261 A1 2183871 A ,B 41574 A2 2244261 A 4227563 A 5061672 B 62502580 T 9409780 B1 8620109 T 865150 A 8605066 A 8606569 A1	15-06-1989 18-11-1986 04-08-1987 02-05-1989 14-09-1990 12-11-1986 23-04-1987 18-12-1986 16-12-1987 16-10-1989 10-06-1987 28-04-1987 28-09-1990 17-08-1992 06-09-1993 01-10-1987 17-10-1994 02-03-1987 18-12-1986 26-11-1986